



# SFP+ Series

## BENEFIT AND KEY FEATURE

High compatible, multi connectors, cost effective are major benefits of SFP+ series products. ECM offers a methodology for network operators to maximize operational efficiency by selecting one transceiver that works reliably across multiple switch, router, chassis (blade) platforms.

We also provide customized service to meet different environment. You may have each inquiry discussion, such as data rate, wavelength, temperature, power budget, laser, connector, application, etc.

## TECHNICAL SPECIFICATION

### STANDARD COMPLIANCE

RoHS compliance; UL, cUL, CDRH certificate  
Compliant with SFP+ MSA standards  
Low Power Dissipation

### DATA RATE & APPLICATION

Multi-rates from 9.95Gbps to 11.1Gbps  
Support distance up to 80KM  
Point to Point/CWDM/DWDM Networking  
Duplex/ BiDirectional Fiber cable

### DISTANCE

300m / 2km / 10km / 20km /  
40km / 60km / 80km

### CONNECTOR

LC / SC

### TEMPERATURE

0 ~ 70 °C / -40 ~ 85 °C

### WARRANTY SERVICE

Standard 2 years  
Customized warranty available

| Product Name | Application   | Data Rate | Wavelength    | Distance | Power Budget | Laser | Interface | Media | Operating Temperature |
|--------------|---------------|-----------|---------------|----------|--------------|-------|-----------|-------|-----------------------|
| SPI-X8833-CD | Duplex        | 10Gbps    | 850TX-850RX   | 300KM    | 5.1dB        | VCSEL | LC        | MMF   | C                     |
| SPL-X33S3-CD | Duplex        | 10Gbps    | 1310TX-1310RX | 2KM      | 9.2dB        | FP    | LC        | SMF   | C                     |
| SPL-X3313-CD | Duplex        | 10Gbps    | 1310TX-1310RX | 10KM     | 6.2dB        | DFB   | LC        | SMF   | C                     |
| SPL-X3343-CD | Duplex        | 10Gbps    | 1310TX-1310RX | 40KM     | 14dB         | DFB   | LC        | SMF   | C                     |
| SPL-X5543-CD | Duplex        | 10Gbps    | 1550TX-1550RX | 40KM     | 17.5dB       | DFB   | LC        | SMF   | C                     |
| SPL-X3383-CD | Duplex        | 10Gbps    | 1310TX-1310RX | 80KM     | 25dB         | DFB   | LC        | SMF   | C                     |
| SBL-XAD13-CD | BiDirectional | 10Gbps    | 1270Tx-1330RX | 10KM     | 6.2dB        | DFB   | LC        | SMF   | C                     |
| SBL-XDA13-CD | BiDirectional | 10Gbps    | 1330TX-1270RX | 10KM     | 6.2dB        | DFB   | LC        | SMF   | C                     |
| SBL-XAD23-CD | BiDirectional | 10Gbps    | 1270Tx-1330RX | 20KM     | 12dB         | DFB   | LC        | SMF   | C                     |
| SBL-XDA23-CD | BiDirectional | 10Gbps    | 1330TX-1270RX | 20KM     | 12dB         | DFB   | LC        | SMF   | C                     |
| SBL-XAD43-CD | BiDirectional | 10Gbps    | 1270Tx-1330RX | 40KM     | 16dB         | DFB   | LC        | SMF   | C                     |
| SBL-XDA43-CD | BiDirectional | 10Gbps    | 1330TX-1270RX | 40KM     | 16dB         | DFB   | LC        | SMF   | C                     |
| SBL-XAD43-CD | BiDirectional | 10Gbps    | 1270Tx-1330RX | 60KM     | 21dB         | DFB   | LC        | SMF   | C                     |
| SBL-XDA43-CD | BiDirectional | 10Gbps    | 1330TX-1270RX | 60KM     | 21dB         | DFB   | LC        | SMF   | C                     |
| SPL-XXX13-CD | CWDM          | 10Gbps    | 1270nm-1610nm | 10KM     | 11dB         | DFB   | LC        | SMF   | C                     |
| SPL-XXX23-CD | CWDM          | 10Gbps    | 1470nm-1610nm | 20KM     | 13dB         | DFB   | LC        | SMF   | C                     |
| SPL-XXX43-CD | CWDM          | 10Gbps    | 1470nm-1610nm | 40KM     | 14dB         | DFB   | LC        | SMF   | C                     |
| SPL-XXX83-CD | CWDM          | 10Gbps    | 1470nm-1610nm | 80KM     | 23dB         | DFB   | LC        | SMF   | C                     |
| SPL-XXX13-ID | CWDM          | 10Gbps    | 1270nm-1610nm | 10KM     | 11dB         | DFB   | LC        | SMF   | I                     |
| SPL-XXX23-ID | CWDM          | 10Gbps    | 1470nm-1610nm | 20KM     | 13dB         | DFB   | LC        | SMF   | I                     |
| SPL-XXX43-ID | CWDM          | 10Gbps    | 1470nm-1610nm | 40KM     | 14dB         | DFB   | LC        | SMF   | I                     |
| SPL-XXX83-ID | CWDM          | 10Gbps    | 1470nm-1610nm | 80KM     | 23dB         | DFB   | LC        | SMF   | I                     |
| SPL-XXX43-CD | DWDM          | 10Gbps    | 100GHz C-band | 40KM     | 15dB         | DFB   | LC        | SMF   | C                     |
| SPL-XXX83-CD | DWDM          | 10Gbps    | 100GHz C-band | 80KM     | 26dB         | DFB   | LC        | SMF   | C                     |
| SPL-XXX43-ID | DWDM          | 10Gbps    | 100GHz C-band | 40KM     | 15dB         | DFB   | LC        | SMF   | I                     |
| SPL-XXX83-ID | DWDM          | 10Gbps    | 100GHz C-band | 80KM     | 26dB         | DFB   | LC        | SMF   | I                     |